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## 05-10-1999

Docket No.: SEC.011CP

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office



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To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy the of.
Name of conveying party(ies):     Sang-in LEE	2. Name and address of receiving party(ies):  Name: SAMSUNG ELECTRONICS CO., LTD.  Address: 416, Maetan-dong, Paldal-gu, Suwon-
Additional names(s) of conveying party(ies)	Address: 410, Maetan-dong, Faidai-gu, Suwon-quy
3. Nature of conveyance:	
☑ Assignment ☐ Merger	
☐ Security Agreement ☐ Change of Name	City: Kyungki-do State/Prov.:
☐ Other	Country: Republic of Korea ZIP:
Execution Date: April 15, 1999	Additional name(s) & address(es) ☐ Yes ☒ No
4. Application number(s) or registration numbers(s): If this document is being filed together with a new application. Patent Application No. Filing date	the execution date of the application is: April 15, 1999  B. Patent No.(s)  09 -> 945 W
Additional numbers	☐ Yes 🛛 No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: BRIAN C. ALTMILLER	7. Total fee (37 CFR 3.41):\$ 40.00
Registration No. 37,271   Address: JONES VOLENTINE, L.L.P.  Enclosed - Any excess or insufficiency credited or debited to deposit account	
12200 SUNRISE VALLEY DRIVE	☐ Authorized to be charged to deposit account
SUITE 150	
City: RESTON State/Prov.: VA	8. Deposit account number:
Country: <u>U.S.A.</u> ZIP: <u>20191</u>	50-0238
DO NOT	USE THIS SPACE
9. Statement and signature.  To the best of my knowledge and belief, the foregoing inform of the original document.  BRIAN C. ALTMILLER	April 27, 1999  Signature  Cover sheet, attachments, and
Name of Person Signing	3 Splate

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JONES & VOLENTINE

## **ASSIGNMENT**

VOLENTINE L.L.P. (4/99)	ADDIGITION
D.L.I . (4/77)	
:# 54 11 ± 1	In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned
Insert Name(s) of Inventor(s)	Sang-in LEE
or inventor(s)	Dang III 2012
	and
Insert Name(s) of Assignee(s)	the undersigned hereby sell(s) and assign(s) to
_	Samsung Electronics Co., Ltd.
Address	of 416, Maetan-dong, Paldal-dong, Suwon-city, Kyungki-go, Republic of Korea
	(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as
Title of Invention	FORMATION METHOD OF INTERCONNECTION IN SEMICONDUCTOR DEVICE
	for which an application for patent in the United States of America has been executed by the undersigned
Date of Signing	on ·
of Application	
	The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
	The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
į	The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
	The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
	The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

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RECORDED: 04/27/1999

The undersigned hereby grant(s) to Raymond C. Jones, Reg. No. 34,631 and Adam C. Volentine, Reg. No. 33,289, members of the firm of JONES & VOLENTINE, L.L.P. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s). Date April 18 199, Name of Inventor Sang-in LEE Date \_\_\_\_\_\_, Name of Inventor \_\_\_\_\_ Date \_\_\_\_\_\_, Name of Inventor \_\_\_\_\_ Date \_\_\_\_\_\_, Name of Inventor \_\_\_\_\_ Date \_\_\_\_\_\_, Name of Inventor \_\_\_\_\_\_ (Note regarding Witnessing and/or Acknowledgment: Acknowledgment before a United States Consul is preferred but not required. If not acknowledged, then it is recommended that the execution by the Inventor(s) be witnessed by at least two witnesses who sign here. However, the current practice of the U.S. Patent and Trademark Office is to record an Assignment even if it has not been acknowledged and/or witnessed.) Witness \_\_\_\_\_ Witness \_\_\_\_ ACKNOWLEDGMENT This \_\_\_\_\_\_ day of \_\_\_\_\_\_, 19\_\_\_\_, before me personally came the abovenamed personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth. Official Signature SEAL Official Title \*\*\*\*\*\*\*\*\*\*\*\*\* Applicant Reference No.: SS-6264-US Atty Docket No.: SEC.011CP Filing Date: Serial No.: Page 2 of 2

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